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SOVIET CONFERENCE ON CONSTRUCTION PROBLEMS
OF WATER-WELL FILTERS

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/Digest/

The need to exploit the underground water supply more completely prompted the organization of a conference in 1949, which was devoted to the study of filters for water wells. The conference was attended by representatives of Academy of Sciences USSR, Academy of Communal Economy, Academy of Agricultural Sciences, eight ministries, seven administration, ten scientific research institutes, and others. The purpose was to find efficient, durable filters and to standardize their design.

In charge of the conference were Academician L. D. Shevyakov and M. P. Semyenov, who made introductory speeches. Shevyakov emphasized the need for cooperation among science, technology, and production, and for the development of simple, long-lasting, inexpensive filters adapted to quantity production.

Other speakers and the titles of their reports were as follows:

1. N. A. Plotnikov (Moscow Geologic-Prospecting Institute imeni Ordzhonikidze), "Conditions Governing the Design of Rational Filters for Wells."
2. S. K. Abramov (VODGEO) [explanation of abbreviation is appended], "Methods for Selecting and Evaluating Filters for Drilled Wells"
3. I. F. Volod'ko (VODGEO), "Gravel Filters for Drilled Wells"
4. V. M. Gavrilko (VSEGINGEO), "Filters of Anticorrosive Construction"
5. N. A. Karambirov (VNIIGIM), "Gravitational Filters"

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6. F. S. Boyarintsev (Sel'skouppravleniye, Altay Kray), "High-Flow Tubular Well Shafts With KIB Filters"

7. V. D. Babushkin (VODGEO), "Relation of the Flow of a Well in Water-Bearing Sand to Its Length and the Position of Its Filter"

8. A. N. Vorobkov ("Burvodstroy" Trust) and P. P. Argunov, "Artificial Lowering of the Water Table by Means of 'Needle' Filters," and "Establishment of Vacuum Airlift Filters for Lowering the Water Table"

9. M. I. Mikhaylov, "Screen Filter" (designed by author)

Different materials were considered for the filters themselves: gravel, screen, "needle," and others; for the filter casings: steel, stainless steel, cast iron, cement, wood, and plastics,

The work of Abramov, Babushkin, Volod'ko, Darambirov, and Boyarintsev was commended, but the lack of interest of well-drilling units and the lack of co-operation of filter manufacturers was scored.

Explanations of Abbreviations:

1. VODGEO (Vsesoyuznyy Nauchno-Issledovatel'skiy Institut Vodosnabzheniya, Kanalizatsii, Gidrotekhnicheskikh Sooruzheniy, i Inzhenernoy Gidrogeologii, All-Union Research Institute of Water Supply, Sewerage, Hydrotechnical Constructions, and Engineering Hydrogeology)
2. VSEGINGEO (Vsesoyuznyy Nauchno-Issledovatel'skiy Institut Gidrogeologii i Inzhenernoy Geologii, All-Union Scientific Research Institute of Hydrogeology and Engineering Geology)
3. VNIIGIM (Vsesoyuznyy Nauchno-Issledovatel'skiy Institut Gidrotekhniki i Melioratsii, All-Union Scientific Research Institute of Irrigation and Reclamation)

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